



PTO/SB/21 (09-06)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

11/585,061

Filing Date

October 23, 2006

First Named Inventor

Justin S. Dyer

Art Unit

Examiner Name

Attorney Docket Number

KSU-002

ENCLOSURES (Check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Reply to Missing Parts/
Incomplete Application☐Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a
Provisional Application☐Power of Attorney, Revocation
Change of Correspondence Address☐

Terminal Disclaimer

☐

Request for Refund

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CD, Number of CD(s) _____

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Landscape Table on CD

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After Allowance Communication to TC

☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☐Other Enclosure(s) (please identify
below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Signature

Printed name

Steven J. Shattil

Date

04/25/2007

Reg. No.

40,170

CERTIFICATE OF TRANSMISSION/MAILING

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Steven J. Shattil

Date

04/25/2007

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Receipt date: 04/30/2007

10585061 - GAU: 2862

U.S. Patent Application: 11/585,061
Filing Date: October 23, 2006
First Named Inventor: Justin S. Dyer
Docket Number: KSU-002

Date: April 25, 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Information Disclosure Statement

Pursuant to 37 C.F.R. §1.56, 1.97, and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO 1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent and publication, or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted.

Certification

This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified patent application.

Respectfully submitted



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	
Filing Date	October 23, 2006
First Named Inventor	Justin S. Dyer
Art Unit	
Examiner Name	
Attorney Docket Number	KSU002

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 20050237920	10-27-2005	Howard	
		US- 20060198459	09-07-2006	Fischer	
		US- 20070014378	01-18-2007	Parhi	
		US- 20060039489	02-23-2006	Ikram	
		US- 20060029157	02-09-2006	Dabak	
		US- 20060023803	02-02-2006	Perlman	
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		US- 20050213686	09-29-2005	Love	
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		US- 20050281350	12-22-2005	Chae	
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		US- 20060210070	09-21-2006	Reznik	
		US- 20060234645	10-19-2006	Lin	
		US- 20050201307	09-15-2005	Chae	
		US- 20050147183	07-07-2005	Willink	
		US- 20060120478	06-08-2006	Kim	
		US- 20060281421	12-14-2006	Pan	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

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Considered

11/10/2008

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Sheet 2

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		US- 6,493,399	12-10-2002	Xia	
		US- 7,190,734	03-13-2007	Giannakis	
		US- 7,200,180	04-03-2007	Verbin	
		US- 7,133,465	11-07-2006	McLaughlin	
		US- 6,928,107	08-09-2005	Olafsson	
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		US- 6,243,425	06-05-2001	Langberg	
		US- 5,396,519	03-07-1995	Betts	
		US- 7,149,238	12-12-2006	Agee	
		US- 6,584,144	06-24-2003	Alamouti	
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FOREIGN PATENT DOCUMENTS

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		Application Number	
		Filing Date	October 23, 2006
		First Named Inventor	Justin S. Dyer
		Art Unit	
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	KSU002

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A1	GRESSET, N, et al., "Linear precoding under iterative processing for multiple antenna channels," First Int. Symp. Control, Comm. and Signal Proc., 2004, pp: 563 – 566.	
	A2	BARRETO, A.N., "Joint signal precoding in the downlink of spread-spectrum systems," IEEE Trans. Wireless Comm., Vol. 2, No. 3, May 2003, pp: 511 – 518.	
	A3	HJORUNGNES,A., "Precoding of Orthogonal Space-Time Block Codes in Arbitrarily Correlated MIMO Channels: Iterative and Closed-Form Solutions," IEEE Trans. Wireless Comm., Vol.	
	A4	SKJEVLING, H., et al., "Precoding for Distributed Space-Time Codes in Cooperative Diversity-Based Downlink," Proc. IEEE Int. Conf. on Comm., ICC 2006, Istanbul, Turkey, June 20	
	A5	HJORUNGNES,A., "Exact SER-Precoding of Orthogonal Space-Time Block Coded Correlated MIMO Channels: An Iterative Approach," Proc. 6th IEEE Nordic Sig. Proc. Symp., NORSIG 2004,	
	A6	CASTRO, P.M., et al., "Adaptive precoding in MIMO wireless communication systems using blind channel prediction over frequency selective fading channels," 13th Workshop on Sta	

Examiner Signature	/Bot Ledyh/	Date Considered	11/10/2008
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